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IAP9 Rec'd PCT/PTO 29 AUG 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q96666

Katsuhisa MASUMOTO, et al.

Appln. No.: Unknown

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: August 29, 2006

Examiner: Unknown

For: PROCESSES FOR PRODUCING 3-METHYL-2-BUTENYL ACETATE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. N. Ostergaard et al., "Scope and Limitations of chiral bis(oxazoline) ligands in the copper-catalysed asymmetric cyclopropanation of trisubstituted alkenes", *Tetrahedron* 57, (2001), pp. 6083-6088.
2. J. Ward et al., "Synthesis of (2E)-4-hydroxy-3-methylbut-2-enyl diphosphate, a key intermediate in the biosynthesis of isoprenoids", *J. Chem. Soc., Perkin Trans. 1*, (2002), pp. 710-712.

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3. N. Kann et al., "New Functionalized Horner-Wadsworth-Emmons Reagents: Useful Building Blocks in the Synthesis of Polyunsaturated Aldehydes. A Short Synthesis of (\pm)-(E,E)-Coriolic Acid", J. Org. Chem. 55, (1990), pp. 5312-5323.
4. A. Chakraborti et al., "Electrostatic catalysis by ionic aggregates: scope and limitations of Mg(ClO₄)₂ as acylation catalyst", Tetrahedron 59, (2003), pp. 7661-7668.
5. A. Charabarti et al., "Indium (III) chloride as a new, highly efficient, and versatile catalyst for acylation of phenols, thiols, alcohols, and amines", Tetrahedron Letters 44, (2003), pp. 6749-6753.
6. The Chemical Society of Japan, 'Dai 4 pan Jikken Kagaku Koza 22, Yuki Gosei IV - San · Amino San · Peptide-' Maruzen Co., Ltd., (1992), 50-51.
7. I. Hogan et al., "An Efficient Synthesis of Streptindole", Synthesis, (1984), pp. 872.
8. U.S. Patent No. 4,734,239 issued March 29, 1988 to Diamantoglou et al.
9. U.S. Patent No. 6,034,268 issued March 7, 2000 to Surburg et al.
10. U.S. Patent No. 6,278,016 issued August 21, 2001 to Babler.
11. U.S. Patent No. 5,872,277 issued February 16, 1999 to Babler.
12. U.S. Patent No. 5,488,141 issued January 30, 1996 to Bauer, Jr. et al.
13. JP 5-140035 A, published June 8, 1993 with English translation.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

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on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

Applicant encloses herewith a copy of the International Search Report dated June 2, 2005. Also enclosed is an English language translation of document 6 and a partial English language translation of document 13. These documents are also cited in the International Search Report which indicates the degree of relevance.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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| Substitute for Form 1449 A & B/PTO | | | | <i>Complete if Known</i> | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | Unknown |
| Sheet | 1 | of | 1 | Confirmation Number | Unknown |
| | | | | Filing Date | August 29, 2006 |
| | | | | First Named Inventor | Katsuhisa MASUMOTO |
| | | | | Art Unit | Unknown |
| | | | | Examiner Name | Unknown |
| | | | | Attorney Docket Number | Q96666 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number | Kind Code ² (if known) | | |
| | | US 4,734,239 | A | 03/29/1988 | Diamantoglou et al. |
| | | US 6,034,268 | A | 03/07/2000 | Surburg et al. |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Country Code ³ | Number ⁴ | | |
| | | JP | 5-140035 | A | 06/08/1993 |
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| NON PATENT LITERATURE DOCUMENTS | | | | | | | |
|---------------------------------|-----------------------|--|---------------------|--------------------------------------|--------------------------------|--------------------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | | | | Translation ⁶ | |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | | |
| | | N. Ostergaard et al., "Scope and Limitations of chiral bis(oxazoline) ligands in the copper-catalysed asymmetric cyclopropanation of trisubstituted alkenes", Tetrahedron 57, (2001), pp. 6083-6088. | | | | | |
| | | J. Ward et al., "Synthesis of (2E)-4-hydroxy-3-methylbut-2-enyl diphosphate, a key intermediate in the biosynthesis of isoprenoids", J. Chem. Soc., Perkin Trans. 1, (2002), pp. 710-712. | | | | | |
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| | | A. Charabarti et al., "Indium (III) chloride as a new, highly efficient, and versatile catalyst for acylation of phenols, thiols, alcohols, and amines", Tetrahedron Letters 44, (2003), pp. 6749-6753. | | | | | |
| | | "The Chemical Society of Japan, Dai 4 pan Jikken Kagaku Koza 22, Yuki Gosei IV - San · Amino San · Peptide-, Maruzen Co., Ltd., (1992), 50-51". | | | | | |
| | | I. Hogan et al., "An Efficient Synthesis of Streptindole", Synthesis, (1984), pp. 872. | | | | | |

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|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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